Title: Sidney D. Drell papers

Date (inclusive): 1945-2015

Collection Number: 80074

Contributing Institution: Hoover Institution Archives

Language of Material: English

Physical Description: 44 manuscript boxes, 2 oversize boxes, 2 oversize folders (24.0 linear feet)

Abstract: Speeches and writings, notes, correspondence, memoranda, reports, studies, and printed matter relating to scientific and technological aspects of United States national security and intelligence issues, including nuclear weapons, nuclear stockpile management, satellite reconnaissance, biological and chemical warfare issues, and terrorism issues. Also includes material relating to the dissident Soviet physicist Andreĭ Sakharov, and to efforts on his behalf by Western scientists. Includes writings and letters by Sakharov.

Physical Location: Hoover Institution Archives

Creator: Drell, Sidney D. (Sidney David), 1926-2016.

Access
The collection is open for research; materials must be requested at least two business days in advance of intended use.

Publication Rights
For copyright status, please contact the Hoover Institution Archives.

Preferred Citation
[Identification of item], Sidney D. Drell papers, [Box no., Folder no. or title], Hoover Institution Archives.

Acquisition Information
Acquired by the Hoover Institution Archives in 1980, with increments received in 1981 and 2016.

Accruals
Materials may have been added to the collection since this finding aid was prepared. To determine if this has occurred, find the collection in Stanford University's online catalog at https://searchworks.stanford.edu. Materials have been added to the collection if the number of boxes listed in the online catalog is larger than the number of boxes listed in this finding aid.

Related Materials
Sidney D. Drell papers, Stanford Linear Accelerator Center (SLAC) Archives and History Office Scientists for Sakharov, Orlov, and Shcharansky records, Hoover Institution Archives Paul J. Flory papers, Hoover Institution Archives William Shockley miscellaneous papers, Hoover Institution Archives

Biographical Note
1926 Born, Atlantic City, New Jersey
1946 A.B. in Physics, Princeton University
1947 M.A. in Physics, University of Illinois
1949 Ph.D. in Physics, University of Illinois
1966 Member, President's Science Advisory Committee
1969 Elected to the National Academy of Sciences
1969-1986 Executive Head, Theoretical Physics, Stanford Linear Accelerator Center
1974 First met Andrei Sakharov in Moscow
1977 Accepted the Joseph Human Rights Award for Sakharov
1977-1990 Member, American Committee on U.S.-Soviet Relations (formerly Committee on East-West Accord)
1980 Advisory Board, Andrei Sakharov Defense Campaign
1981 Chairman, International Conference in Honor of Andrei Sakharov
1983-1989 Founding Co-Director, Stanford's Center for International Security and Arms Control
1984 Prize Fellowship of the John D. and Catherine T. MacArthur Foundation
1986 President, American Physical Society
1989-1996 Adjunct Professor, Department of Engineering and Public Policy, Carnegie Mellon University
1990-1991 Chairman, House Armed Services Committee Panel on Nuclear Weapons Safety
1992-2001 Member, President's Foreign Intelligence Advisory Board
1995 Chair, JASON Study for Department of Energy on Nuclear Testings
1998 Retired as deputy director from Stanford Linear Accelerator Center
1998-2016 Senior Fellow, Hoover Institution
2000  Received Enrico Fermi Award
2006  With George Shultz, initiated a program at the Hoover Institution to develop practical steps towards achieving a world without nuclear weapons
2013  Awarded National Medal of Honor
2016  Died

Source: http://www.hoover.org/profiles/sidney-d-drell

Scope and Content of Collection
The Sidney D. Drell papers include speeches and writings, notes, correspondence, memoranda, reports, studies, and printed matter related to scientific and technological aspects of United States national security and intelligence issues, including nuclear weapons, nuclear stockpile management, satellite reconnaissance, biological and chemical warfare issues, and terrorism issues. In addition, the papers include material related to the dissident Soviet physicist Andrei Sakharov, and to efforts on his behalf by Western scientists.

These latter records document Drell's efforts to aid Andrei Sakharov during Sakharov's arrest and exile, as well as his personal relationship with Sakharov and Elena (Yelena) Bonner. The Andrei Sakharov Chronological File includes correspondence with Sakharov and family members such as Elena Bonner, Tat’iana Yankelevich (Bonner's daughter and Sakharov's step-daughter), and Tat’iana’s husband Efrem Yankelevich. Letters to scientists and members of various organizations document Drell's efforts to arrange petitions, plan conferences, and disseminate information about Sakharov's work and exile in Gor'kii (Gorky). The series includes open letters between Drell and Sakharov discussing topics such as Sakharov's arrest and arms control. Also included are writings and typescripts by Drell and Sakharov. Material concerning the Andrei Sakharov Institute can also be found in this series.

In 1981, Drell was the chairman of the International Conference in Honor of Andrei Sakharov, a birthday tribute to Sakharov designed to recognize his scientific contributions as well as express support for him. The Andrei Sakharov Collected Materials and Andrei Sakharov Chronological File contain correspondence and conference materials related to this event.

The Speeches and Writings series includes typescripts, manuscripts, and clippings written by Drell and Sakharov. Writings by Sakharov include physics papers (with typescripts in Russian), interviews with Sakharov, articles describing Sakharov's views on human rights, and descriptions of his experience in exile. For more writings by Drell, see also Incremental Speeches and Writings.

In addition to his work as a physicist, Drell was an arms control specialist. He advised the United States government on technical national security and defense issues and consulted for Los Alamos National Laboratory and Lawrence Livermore National Laboratory. He served on various advisory committees, including the President’s Foreign Intelligence Advisory Board. The Advisory Work File documents Drell’s consulting work through his research files, correspondence, and writings. Included are documents concerning the Comprehensive Nuclear Test Ban Treaty and the Stockpile Stewardship Program.

Drell was a founding member of JASON, an independent group of scientists formed to advise the United States government. The JASON File includes documentation related to meetings, such as the annual summer study, as well as many reports for which Drell served as chair, study leader, or a contributor. Topics of reports include stockpile stewardship, nuclear testing, tritium, subcritical experiments, lasers, and stockpile aging. Although most reports are in their final form, these materials include some drafts and notes.

The collection includes Printed Matter related to topics such as Sakharov, nuclear weapons, and intelligence, as well as histories compiled by the National Reconnaissance Office. All other printed matter, consisting of widely available publications, has been removed. See the Separated Materials note for a bibliography of all printed matter that was not retained as part of the collection.

Finally, the Audiovisual Material series contains sound recordings of the conference "Implications of the Reykjavik Summit on Its Twentieth Anniversary," as well as a photograph, and a videorecording about Sakharov.

Separated Materials
Click the link below to download a bibliography of widely available books that were removed from the collection.

Bibliography of Books Removed

Subjects and Indexing Terms
Biological warfare.
Chemical warfare.
Civil rights--Soviet Union.
Andrei Sakharov Chronological File 1968-1992
Scope and Contents note
Includes correspondence, writings, typescripts, and clippings, arranged chronologically.
Retains many of Drell's original folder labels (folders labeled by year) and his original order.

Box/Folder 1 : 1 Articles about Sakharov 1968
Box/Folder 1 : 2 1974-1976
Box/Folder 1 : 3 1977
Box/Folder 1 : 4 1978
Box/Folder 1 : 5 Article by Sakharov, "Nuclear Energy and the Freedom of the West," 1978 June
Box/Folder 1 : 6 1979
Box/Folder 1 : 7 1980
Box/Folder 1 : 8 1980-1982
Box/Folder 1 : 9 1981
Box/Folder 1 : 10 Open letter from Sakharov to Drell 1981 January 31
Box/Folder 1 : 11 Letter from Sakharov to Drell 1981 June
Box/Folder 1 : 12 Article by Sakharov, "The Social Responsibility of Scientists," 1981 June 1
Box/Folder 1 : 13 1982
Box/Folder 1 : 14 1983
Box/Folder 2 : 1 Open letter from Sakharov to Drell, "The Danger of Thermonuclear War," 1983 February 2
Box/Folder 2 : 2 Drell's reply to Sakharov's February 2, 1983 open letter 1983 September 20
Box/Folder 2 : 3 1984
Box/Folder 2 : 4 1985
Box/Folder 2 : 5 1986
Box/Folder 2 : 6 Elena Bonner 1986
Box/Folder 2 : 7 Congressional Record regarding Sakharov's 65th birthday 1986 May 21
Box/Folder 2 : 8 1987
Box/Folder 2 : 9 Sakharov and Bonner commencement addresses 1987 June 14
Box/Folder 2 : 10 Sakharov book chapters with English translations 1987-1988, undated
Box/Folder 2 : 11 1988
Box/Folder 3 : 1 Edward Teller 1988 November 11
Scope and Contents note
Includes speech by Sakharov.

Box/Folder 3 : 2 1989
Box/Folder 3 : 3 1990-1992
Andrei Sakharov Collected Materials 1966-2000
Scope and Contents note
Includes clippings, conference materials, correspondence, and printed matter, arranged alphabetically by subject or format.

Box/Folder 3 : 4-5 General 1980, 1984
Andrei Sakharov Institute
| Box/Folder 3 : 7 | 1984-1985 |
| Box/Folder 3 : 8 | Tribute to Sakharov, Carnegie Hall 1984 |
| Box/Folder 3 : 9 | Biographical material |
| Box/Folder 3 : 10 | General circa 1986 |
| Box/Folder 3 : 11-12 | Autobiographical note 1981 |
| Box/Folder 3 : 13 | Bonner, Elena 1981-1986 |

| Clippings |
| Box/Folder 3 : 13 | Undated |
| Box/Folder 3 : 14 | 1970-1975 |
| Box/Folder 3 : 15 | 1977 |
| Box/Folder 3 : 16 | 1979 |
| Box/Folder 3 : 17 | 1980 |
| Box/Folder 4 : 1 | 1981 |
| Box/Folder 4 : 2 | 1982 |
| Box/Folder 4 : 3 | 1983 |
| Box/Folder 4 : 4 | 1984 |
| Box/Folder 4 : 5 | 1985 |
| Box/Folder 4 : 6 | 1986 |
| Box/Folder 4 : 7 | 1987 |
| Box/Folder 4 : 8 | 1988 |
| Box/Folder 4 : 9 | 1990 |
| Box/Folder 4 : 10 | Conference on Security and Cooperation in Europe (CSCE) 1980-1981 |

| Correspondence |
| Box/Folder 4 : 11 | General 1968-1986 |
| Box/Folder 4 : 12 | Sakharov, Andrei and Elena Bonner, 1978-1983, undated |

| Map case |
| Box/Folder 4 : 13 | "Humanity in the Universe" poster (New York Academy of Sciences Symposium) undated |
| Box/Folder 4 : 14 | Human rights (Sakharov and Orlov) 1983 |
| Box/Folder 4 : 15 | Hunger strike 1981 |
| Box/Folder 5 : 8 | Joseph Prize for Human Rights 1977 |
| Box/Folder 5 : 9 | Kronika Press Information Bulletins 1983-1985 |

| Memorial and death |
| Box/Folder 5 : 10 | General 1981-1990 |
| Box/Folder 6 : 1 | International Andrei Sakharov Memorial Congress 1991 |
| Box/Folder 6 : 2 | National Academy of Sciences (NAS) 1980-1985 |
| Box/Folder 6 : 3 | Photographs, Drell and Sakharov 1989 August |
| Box/Folder 6 : 4 | Physics Today Sakharov issue (August 1990) |
| Box/Folder 6 : 5 | Printed matter 1990 |
| Box/Folder 6 : 6 | Eisenhower, Susan and Sagdeev, Roald, "Sakharov in His Own Words," 1990 |
| Box/Folder 6 : 7 | Fainberg, Vladimir, "Precursor of Perestroika," 1990 |
| Box/Folder 6 : 9 | Protests and statements of support 1980-1983 |
| Box/Folder 6 : 10 | Reports and lectures 1981-1982 |
| Box/Folder 6 : 11 | Scientists for Orlov and Shcharansky (SOS) 1979 |
| Box/Folder 6 : 12 | Stanford Daily and Stanford University Campus Report 1984 |
| Box/Folder 6 : 13 | Testimony 1980 |
| Box/Folder 6 : 13 | Miscellany 1969-1990, undated |

| Speeches and Writings 1966-2000 |
| Box/Folder 6 : 13 | Scope and Contents note |

Includes typescripts, manuscripts, clippings, and interviews, arranged into two groups, Drell and Sakharov, then chronologically thereunder.
Drell

Box/Folder 6 : 14  Travelogue 1976
Box/Folder 6 : 15  "Panel on U.S.-Soviet Relations in a World Perspective," The Dickinson Symposia, Stanford University 1976 May 27
Box/Folder 6 : 16  "Introductory Remarks for Special Symposium to Honor Andrei Sakharov," 1981 January 26
Box/Folder 6 : 17  "Basing the MX Missile: A Better Idea," 1981 May/June
Box/Folder 6 : 18  "Opening Remarks at the International Conference in Honor of Andrei Sakharov," 1981 May 1-2
Box/Folder 6 : 19  "News Media Coverage of Nuclear Weapons," keynote address to Conference on War, Peace, and the News Media 1983 March 18
Box/Folder 6 : 20  "On Sakharov, Human Rights, and Arms Control," 1983 September/October
Box/Folder 6 : 21  "Statement on Andrei Sakharov to the Commission on Security and Cooperation in Europe," 1984 May 22
Box/Folder 6 : 22  "Remarks at Dinner for Yelena Bonner," 1986 February 11
Box/Folder 6 : 24  "Andrei Sakharov and the Nuclear Danger," 2000 May

Sakharov

Box/Folder 6 : 25  "The Initial Stage of an Expanding Universe and the Appearance of a Nonuniform Distribution of Matter," 1966 January
Box/Folder 6 : 26-27  "Maximum Temperature of Thermal Radiation" (1966 June) 1966, undated
Box/Folder 6 : 28  Book review, The Sakharov Manifesto, reviewed by Marshall Shulman 1968 November
Box/Folder 6 : 29  "A Letter from Dr. Sakharov," 1970 April 13
Box/Folder 6 : 30  Interview of Sakharov, "Dissent in the Soviet Union," 1973
Box/Folder 7 : 1  "How I Came to Dissent," 1974 March 21
Box/Folder 7 : 2  "Tomorrow: The View From Red Square," 1974 August 24
Box/Folder 7 : 3  "Spectral Density of Eigenvalues of the Wave Equation and Vacuum Polarization," 1975
Box/Folder 7 : 4  "Soviet Physicist Urges 'Full' Disarming," 1975 October 27
Box/Folder 7 : 5  "The Need for an Open World," 1975 November
Box/Folder 7 : 6  Interview of Sakharov by Coleman, "Sakharov on Human Rights," 1977 March 14
Box/Folder 7 : 7  "The Baryonic Asymmetry of the Universe," 1979 April
Box/Folder 7 : 8  "World Security, Human Rights Linked," circa 1980
Box/Folder 7 : 9  Sakharov quote from the New York Times, 1980
Box/Folder 7 : 10  "Mass Formula for Mesons and Baryons" (1980 April) 1980
Box/Folder 7 : 11  "Estimate of the Quark-Gluon Coupling Constant," 1980 May
Box/Folder 7 : 12  "Sakharov: A Letter from Exile," 1980 June 8
Box/Folder 7 : 13  "Observations in Exile: Sakharov Sends a Letter to the West," 1980 June 13
Box/Folder 7 : 14  "Sakharov's Statement Carried from Gorky to Moscow by His Wife," 1980 June 27
Box/Folder 7 : 15  "Cosmological Models of the Universe with Rotation of Time's Arrow" (1980 July) 1980, undated
Box/Folder 7 : 16  "An Open Letter to the President of the Soviet Academy of Sciences, A. P. Aleksandrov," 1980 October 20
Box/Folder 7 : 17  "Statement for Press and Radio," 1981
Box/Folder 7 : 18  Open letter to Drell 1981 January
Box/Folder 7 : 19  "A Letter from Sakharov in Exile," 1981 April 22
Box/Folder 7 : 20  "The Responsibility of Scientists" (1981 June 25) 1981
Box/Folder 7 : 21  "An Appeal," 1981 August 16
Box/Folder 7 : 22  "The Danger of Thermonuclear War," 1983
Box/Folder 7 : 23  "Multisheeted Models of the Universe" (1983 February) 1982-1983
Box/Folder 7 : 24  "Andrei Sakharov from Exile," International League for Human Rights 1983 October
"Cosmological Transitions with a Change in Metric Signature" (1984 May) 1984, undated
"My KGB Ordeal," 1986 February 24
"Commencement Addresses," The College of Staten Island 1987 June 14
Scope and Contents note
Includes speech by Elena Bonner.
Interview of Andrei Sakharov and Elena Bonner by Mark Levin 1988
"Remarks of Dr. Andrei Sakharov for the Seventh Annual Ethics and Public Policy Dinner Honoring Dr. Edward Teller," 1988 November 16
Scope and Contents note
Includes typescripts, printed matter, notes, and correspondence, arranged chronologically.
"The Running Coupling Constant in Quantum Electrodynamics," undated
"Infrared Radiation from the Atmosphere," with Malvin A. Ruderman, Institute for Defense Analysis, JASON Division 1960
Relativistic Quantum Mechanics, with James D. Bjorken, Russian translation 1978
"SALT and Beyond," Common Sense in U.S.-Soviet Relations, 1978
"Experimental Status of Quantum Electrodynamics," 1979
"Anomalous Magnetic Moment and Limits on Fermion Substructure," 1980
"Arms Control: Is There Still Hope?", Daedalus, 1980
Sakharov Remembered, edited by Drell and Sergei P. Kapitza 1991
Notes on Compton back-scattering 1992
"Theoretical Aspects of Lepton-Hadron Scattering," 1992
"Technical Issues of a Nuclear Test Ban," 1994
"Reminiscences of Work on National Reconnaissance," Recollections of the Pioneers and Founders of National Reconnaissance, 2002
"A Safer Nuclear Enterprise," 2012
Scope and Contents note
Includes correspondence, writings, research files, and printed matter related to Drell's advisory work for the United States government and private organizations, arranged alphabetically, mainly in two groups: organizations file and subject file.
Argonne National Laboratory, non-proliferation 2004
Charlie Allen Task Force 2001-2002
Director of Central Intelligence
Emerging missile threat 1996-1997
Small Satellite Review Panel 1996
Intelligence Technology Innovation Center
Murder Board 2001-2002
Murder Board, Warren Rudman, George Tenet 2002
Los Alamos National Laboratory
Pit Manufacturing/Certification Oversight Committee 2001
Senior Advisory Group 2003-2006
Los Alamos National Security and Lawrence Livermore National Security
Large Bore Power Gun Review Committee 2010
Mission Committee 2006-2014
National Nuclear Security Administration Advisory Panel 2002-2004
Box/Folder 10 : 4  
President's Council on National Laboratories 2007  
President's Foreign Intelligence Advisory Board  
1996-1997  
Box/Folder 10 : 5  
1997-2002  
Box/Folder 10 : 6  
Non-proliferation 1993-1998  
Box/Folder 11 : 1-2  
Princeton University 1997-2000  
Box/Folder 11 : 3-4  
Senate Select Committee on Intelligence 1989-1992  
Box/Folder 11 : 5-6  
University of California, Office of the President 2004-2009  
Box/Folder 11 : 7  
Subject file  
Comprehensive Nuclear Test Ban Treaty  
Box/Folder 12 : 1-3  
1995-2002  
Box/Folder 12 : 4-5  
1995-2002  
Box/Folder 13 : 1-2  
1999-2001  
Box/Folder 13 : 3-4  
Stockpile Stewardship Program 1994-2000  
Box/Folder 13 : 5-6  
Stockpile Stewardship Program (cont’d.) 1994-2000  
Box/Folder 14 : 1-3  
Stockpile Stewardship Program and national security 1998-2001  
Box/Folder 14 : 4-6  
Stockpile Stewardship Program and national security (cont’d.) 1998-2001  
Box/Folder 15 : 1-5  
Concerns about Department of Energy Science 2000  
Box/Folder 16 : 1  
Box/Folder 16 : 2-5  
Discriminate force 2000-2002  
Box/Folder 17 : 1-4  
Hart-Rudman Commission 1945, 2001  
Box/Folder 17 : 5-6  
Box/Folder 18 : 1  
National Ignition Facility 1997  
Box/Folder 18 : 2  
National Reconnaissance Office 1963, 2000  
Box/Folder 18 : 3  
Propellant Hazard Test and Analysis Program 1994-1998  
Box/Folder 18 : 4  
Red Team 2010  
Box/Folder 18 : 5-7  
Shalikashvili, John 1997-2001  
Box/Folder 19 : 1  
Shalikashvili, John and Los Alamos National Laboratory 2000  
Box/Folder 19 : 2  
Subcritical experiments 1998  
Box/Folder 19 : 3-5  
Terrorism and homeland security 1996-2002  
Box/Folder 19 : 6  
Tritium 1995-1996  
Box/Folder 19 : 7  
Writings by others 1972-2006  
JASON File 1988-2015  
Scope and Contents note  
Includes correspondence, reports, notes, and meeting materials related to Drell's advisory work with JASON, arranged alphabetically by format.  
Box/Folder 20 : 1-2  
Administrative file 2001-2013  
Box/Folder 20 : 3-4  
Meetings  
Box/Folder 20 : 5  
Summer study, hydronuclear testing 1995  
Fall meeting 2004
Box/Folder 20 : Summer study 2005
6-7
Box/Folder 21 : Winter study 2005
1
Box/Folder 21 : Summer study 2006
2-3
Box/Folder 21 : Spring meeting 2007
4
Box/Folder 21 : Fall meeting 2008
5
Box/Folder 21 : Summer study 2009
6
Box/Folder 21 : Fall meeting 2010
7
Box/Folder 21 : Spring meeting 2012
8
Box/Folder 21 : Summer study 2012
9
Box/Folder 21 : Notes 1995
10

Reports
Box/Folder 21 : 11 1988
Box/Folder 21 : 12 1990
Box/Folder 21 : 13 1992
Box/Folder 21 : 14 1993
Box/Folder 22 : 1994
1-2
Box/Folder 22 : 1995
3-4
Box/Folder 22 : 1996
5-6
Box/Folder 22 : 1997
7
Box/Folder 23 : 1 1998
Box/Folder 23 : 2 1999
Box/Folder 23 : 3 2000
Box/Folder 23 : 4 2001
Box/Folder 23 : 5 2002
Box/Folder 23 : 6 2003
Box/Folder 23 : 7 2004
Box/Folder 23 : 8 2005
Box/Folder 23 : 9 2006
Box/Folder 23 : 10 2007
Box/Folder 24 : 1 2008
Box/Folder 24 : 2 2011
Box/Folder 24 : 3 2012
Box/Folder 24 : 4 2014
Box/Folder 24 : 5 2015
Box/Folder 24 : 6 Dismantlement study undated
Box/Folder 24 : 7 Nuclear testing review and inertial confinement fusion 1995-1996
Box/Folder 24 : 8 Nuclear testing review and inertial confinement fusion (cont’d.) 1995-1996

Printed Matter 1969-2001, undated

Scope and contents note
Includes monographs and booklets related to Andrei Sakharov, nuclear weapons, and intelligence, as well as histories compiled by the National Reconnaissance Office.

General
Box/Folder 25 : Undated
Box/Folder 25 : 1990s
Box/Folder 25 : 4-6
Box/Folder 26 : 2000s
1-2
Box/Folder 26 : National Reconnaissance Office histories 1969-2001, undated
3-5

Register of the Sidney D. Drell papers
Scope and Contents note
Includes compact discs, a photograph, and a VHS videocassette, arranged alphabetically by format.

Box/Folder 27 : 1
Compact discs, conference, "Implications of the Reykjavik Summit on Its Twentieth Anniversary," 2006

Box/Folder 27 : 2
Group photograph, Great Britain 2008

Box/Folder 27 : 3
VHS videocassette, "Sakharov, HBO Cable Movie," undated

Incremental Materials

Box 28
Material not yet described.

Box 29
Material not yet described.

Box 30
Material not yet described.

Box 31
Material not yet described.

Box 32
Material not yet described.

Box 33
Material not yet described.

Box 34
Material not yet described.

Box 35
Material not yet described.

Box 36
Material not yet described.

Box 37
Material not yet described.

Box 38
Material not yet described.

Box 39
Material not yet described.

Box 40
Material not yet described.

Box 41
Material not yet described.

Box 42
Material not yet described.

Box 43
Material not yet described.

2018 Incremental Materials

Box 44
Correspondence 2000
Mathematics workbook 1946
Center for International Security and Arms Control material 1989
Nuclear weapons and war booklets 1995-2008
Articles relating to J. Robert Oppenheimer 1994
Newspaper clippings relating to J. Robert Oppenheimer undated

Box 45
Science and Government by C.P. Snow (photocopy) undated
"A KGB Memoir," clipping undated
"Copenhagen" by Micgael Frayn material 2000
"Copenhagen" clippings 2000, undated
Nuclear warfare articles (printouts) 2001
Physics course reader prepared by Drell and colleagues 1988
"The Atomic Bombing of Hiroshima and Nagasaki" by the Manhattan Engineer District undated

Box 46
Booklet of mathematical tables, annotated undated
Book of Aristotle's writings, annotated undated
Pocket calendars 2005-2015

Map case
American Academy of Arts and Sciences certificate 1971

OPTLG Box 1
DVDs (2) BDOpticalNonStandard Box 1 undated